

ABSTRACT OF THE DISCLOSURE

A semiconductor integrated circuit (LSI) in which control information for determining a voltage or a width of a pulse produced itself can easily be set in parallel with other LSIs, and set information can be corrected easily. From an external evaluation device, a voltage of an expected value is supplied in overlapping manner to a plurality of LSIs each having a CPU and a flash memory. Each LSI incorporates a comparison circuit comparing an expected voltage value and a boosted voltage generated in itself. The CPU refers to a comparison result and optimizes control data in a data register for changing a boosted voltage. The CPU controls the comparison circuit and the data register and performs trimming in a self-completion manner, thereby making trimming on a plurality of LSIs easily in a parallel manner and a total test time reduced.

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